				,					•		
											1 of 1
FORM PI		19	U.S. DEPARTMENT OF PATENT AND TRADEMAL	F COMMERCE RK OFFICE	\$	ATTY. DO	OCKET NO.			SERIAL NO.	
<b>4</b>						Adamiec) APPLICA	ki 3-7			10/727,450	)
•	STAT		PTON DESCLOSURE					er and	480	= Qinahu	
(U:	, se se		l sheets ignecess	ary)	ļ	Andrew TILING	L. Adamiec DATE	2k1 and	<u>Jerre</u>	GROUP	-
		AUG	2 9 2005			12/04/0:	3			2661	
EXAMINER INITIAL	MINER NO.				عجيات	NAME	CLASS	SUBCLASS	s	FILING IF APPRO	DATE PRIATE
<u></u>	十	广	MADE								
	+	+									
	+	+				<del></del>			$\top$		
	+-	+							$\top$		
	+	+			$\vdash$		1		$\top$		
	+-	+			,		1	<del>                                     </del>	$\top$		
	+	+					+	<del>                                     </del>	1		
	+-	+		<del>                                     </del>	├─		+	<del>                                     </del>	$\dashv$	<del></del>	
	+	+		<del>                                     </del>	<del> </del>		+	<del> </del>	+		<del></del>
:	<u> </u>			<u> </u>				<u> </u>		·	
	$\overline{}$	$\top$			FOREIG	EN PATENT DOCUM		1	T	TRANSI	
		4	DOCUMENT NUMBER	DATE	_	COUNTRY	CLASS	SUBCLAS	ss	YES	NO
/S.P./	E/	1	EP 0 304 081 A	02/1989	Euro	pe		<del> </del>	+		
- /S.P	,/ EI	В	GB 2 217 957 A	11/1989	United Kingdom			<del>↓</del>	+		
		$\bot$		<u> </u>	<del> </del>						
		$\perp$			<u> </u>			<del>                                     </del>	+	· <del></del>	
									-		
				<u> </u>	<u></u>					<u> </u>	<u> </u>
						elnding Anthor, Title			`vott	- FDN (Online).	Angust 22 <sup>nd</sup> 2002.
/S.P.	EC	டட	<sup>2</sup> Wreslemania: Keeping I 238.418, pp. 36-46, XP002							<del></del>	
/Э.г	, ED		Engineering Of The Duc New York, IEEE, US, Vo	obinary Repe d. 2, June 197	atered 177, pp. 3	Line," by A. Len i2.4-306-32.4-309	der et al., Int , XP0007945	ernational ( 66.	Confer	ence On Commun	nications, Chicago,
/S.P.	EE	T	"Duobinary Transmission Ethernet Task Force Plea	n Over ATC/ nary Meeting	A Backı ,, Noven	planes," by Majie nber 15-19, 2004	d Barazande- , San Antonic	Pour and Jo , Texas, pp	obn KI . 1-24,	houry, IEEE 802.3 XP002335947.	Jap, Backplane
	EF	П	10-Gb/s Electrical Back Piscataway, NJ, Vol. 1, J	plane Transo une 6, 2004, ¡	nission pp. 109	using Doubinary -112, XP0107272	Signaling," J 33.	Jeffery H. S	insky o	et al., IEEE MTT-	S Digest,
		$\vdash$ †									

		······································	
EXAMINER	/Sudhanshu Pathak/	DATE CONSIDERED	02/04/2008

FORM PTO-1449 (Rev. 2-32)		-144 -32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADERLER OFFICE			ATTY. DOCKET NO.			SERIAL NO.		
	;	INPO	RMATION DISCLOSURE A		` ₹ <del>\</del>	Adamiecki APPLICANT	3-7		10/727,4	50	
/17-			į.	NOV 0 5	2004	Andrew L.	Adamie	cki and	Jeffrey H. Sinsk GROUP	.y	
(08	9	PART	al sheets if necessa	S.			TE				
EXAMINE	ī			T TOTAL	A PARTY	12/04/03 DOCUMENTS		$\frac{1}{1}$	2661		
INITIAL			DOCUMENT NUMBER	DATE	NA	ME	CLASS	SUBCL SS	A IF APPR	G DATE OPRIATE	
	$\perp$										
	$\bot$										
-	$\downarrow$										
	$\downarrow$										
	$\dashv$							ļ	<del>-  </del>		
	$\dashv$				<u> </u>			-			
	$\dashv$		· ·	<u></u>				<b></b>	_		
	$\dashv$		-		<u> </u>						
	+							-	-		
· · · · · · · · · · · · · · · · · · ·	+							-	•	-	
				l	EOREICN PATT	NT DOCUMENT	2				
			DOCUMENT NUMBER	DATE	COUN	ITRY	CLASS	SUBCLAS	S TRANS	SLATION NO	
/S.P./	-	ВА	EP 0 369 159 A	05/1990	Europe				Abstract		
/S.P./		ВВ	GB 2 217 957	11/1989	United King	lom			English		
/S.P./	4	ВС	EP 0 551 858 A2	07/1993	Europe				English		
	_										
	$\dashv$								_		
			1	THER DOCUME	NTS (Including A	abor Tob Door	Post Pos	Par. N			
11	BD		Extended 10 Gb/s Fiber Technology Letters, IEEE						," by G. May et al., IE	EE Photonics	
		-	· · · · · · · · · · · · · · · · · · ·	:	1K, OS, 101. 0	no. 3, 1 May	1774, pgs.	040-030.	<del></del>	· · · · · · · · · · · · · · · · · · ·	
/		╀							<del></del>	·	
						_					
			L								
EXAMINER		/S	udhanshu Pathak/			DATE CONSI	DERED	02/	04/2008		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)

							*			Sheet _	1 of 1
FORM I	2-32	49 !)	U.S. DEPARTMENT C PATENT AND TRADE	F COMMENC	A A	PTY. DOCK	ET NO.			SERVAL NO	<del>).                                    </del>
•			. ,	/ 0	u	damiecki PPLICANT	3-7		·	10/727,45	50
	Ine Sta	TE	MATION DISCLOSURE /		Tál	PPLICANT					
(Use	Seve	ra	L sheets if necessar	ar) JAN Z: 4	2005	ndrew L.	Adamiec E	ki and	Teffrey	H. Sinsky	7
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					.87		_				
	<del></del>	_		THADE	MAN TO SERVICE STATE OF THE PARTY OF THE PAR	2/04/03 001MENIS		╤╧		2661	
EXAMINER INITIAL	.		DOCUMENT NUMBER	DATE	NAME	.	CLASS	SUBCLA	ASS	FILIN IF APPE	G DATE ROPRIATE
/S.P./	D/	`	5,640,605	06/1997	Johnson et al.		395	881			
/S.P.	/ DI	В	5,664,108	09/1997	Heaton et al.		395	200.8	2		
	$\top$			,							
	+		<del> </del>		<del></del> -			•	<del> </del>	•	
										•	
										<u> </u>	·
								.]			
			*		FORFIGN PATENT	LDOCUMENTS	· · · · · · · · · · · · · · · · · · ·				
			DOCUMENT NUMBER	DATE	COUNTRY CLAS		CLASS	SUBCLASS		TRANSLATION YES NO	
								-			
·											
	.			THER DOCUM	NTS (Including Ant	hor, Title, Date,	Pertinent Pag	er Etc.)			
								•	•		
		$\vdash$			<u> </u>						
		-									<del></del>
		L			<u> </u>			<del></del>			<u> </u>
		<u> </u>			<del></del>			- <del></del>			
			(2.11)					00/0//			
EXAMINER			/Sudhanshu Patha	ak/	1	DATE CONSI	DERED	02/04/2	2008		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449)

•												
•							Sheet	1 of 1				
FORM P	0-144 2-32)	9 U.S. DEPARIMENT C PATENT AND TRADE	F COMMERC	E ATTY. DO	CKET NO.		SERLAL NO					
	TMEN	rmation disclosure	OTP	Adamieck APPLICAN	i 3-7		10/727,45	0				
	STAT	EMENT BY APPLICANT		12 mg			B					
(Use	sever	al sheets if necessar		2004 Andrew L	ATE	ki and Jer	frey R. Sinsky GROUP					
				12/04/03	<del> </del>		Not yet a	ssigned				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE		CLASS	SUBCLA SS	FILING IF APPRO	DATE PRIATE				
/S.P:/	BA	3,866,147	02/1975	De Couvreur et al.	332	11 R						
/S.P./	ВВ	4,086,566	04/1978	Lender	340	146.1						
/S.P./	ВС	4,860,310	08/1989	Lamnabhi et al.	375	18						
/S.P./	BD	4,941,080	07/1990	Sieborger	363	127						
/S.P./	BE	5,892,858	04/1999	Vaziri et al.	385.	2						
/S.P./	BF	6,480,405 B2	11/2002	Gharpurey	363	127						
	<del>-1</del>		<u> </u>	RORRIGN PATENT DOCUMEN	YTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI YES	ATION NO				
	1 -											
	1											
	- r			FNTS (Including Anthor, Title, Da								
/S.P/	BG	The Duobinary Techniq Electronics, vol. 82, May	<sup>a</sup> The Duobinary Technique for High-Speed Data Transmission," by Adam Lender, IEEE Trans. On Communication and Electronics, vol. 82, May 1963, pp 214-218.									
/S.P/	ВН	"Wide-Band Symmetrical Analog Multiplier IC for Coherent Optical-Fiber Receivers O Rein et al., IEEE Journal of Solid-State Circuits, Vol. 26, No. 12, December 1991, pp 184					ating up to 10Gb/s,'	by Hans-Martin				
	_											
								<del>.</del>				

EXAMINER	/Sudhanshu Pathak/	 DATE CONSIDERED	02/04/2008	

									Sheet	_1 of _1	
FORM (Rev.	PTO-	1449	U.S. DEPARTMENT C PATENT AND TRADEMA	F COMMERCE	1	TTY. DOC	KET NO.		SERIAL N	0.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT						Adamiecki 3-7 Not yet assigned APPLICANT					
			•			Andrew Ad	lamiecki	and Jeffr	ey H. Sinsky GROUP		
•	(Use	8eve	ral sheets if necess	sary)		FILING DA	TE		GROUP	<del></del>	
		_			Z PATENTE	ot yet a	ssigned		Not yet	assigned	
EXAMINE INITIAL	R		DOCUMENT NUMBER	DATE	NAM	E	CLASS SUBCLASS		FILING IF APPR	G DATE OPRIATE	
· · · · · · · ·						<del></del>		<del></del>			
	$\top$	-	·								
	_						·				
	+										
	+				<del></del>						
	+										
	+										
· · ·	-							• • • • • • • • • • • • • • • • • • • •			
	_ _										
-,	$\perp$										
				FORI	IGN PATEN	T DOCUMEN	2		1		
			DOCUMENT NUMBER	DATE	COUN	ΓRY	CLASS	SUBCLASS	TRANS YES	LATION NO	
		_							_		
					·····						
	1					· · · <u> </u>	· · · · · · · · · · · · · · · · · · ·				
<del></del>	$\dashv$			<del>  </del>						<del>                                     </del>	
			0	THER DOCUMENTS (	Incheding An	thor Title Date	Pertinent Pa	ges Ftc.)	<u> </u>		
/S.P./	AA		"Digital Transmission Sy pp. 212-217.						June 1985, ISBN: 0	-534-03382-2,	
						•		·			
		T									
		<b> </b>			<del></del>	<del></del>					
		╁		· <del>-</del>	<del></del>						
		-						<del></del>	·		
L	<u></u>		·		•		<del></del>	· <del></del> ·			
EXAMINER			/Sudhanshu Pa	ithak/	<del></del>	DATE CONS	IDERED	02/04/200	08		

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. (Form PTO-1449)

990.0517